TITLE: SWITCHING ACTIVITY REDUCED
CODING FOR LOW-POWER DIGITAL ...
INVENTOR: LUTKEMEYER
APPLICATION NO.: UNASSIGNED,
CONF. NO. ; DOCKET NO. 15069US01
ATTORNEY: SLP, PHONE: 312-775-8000

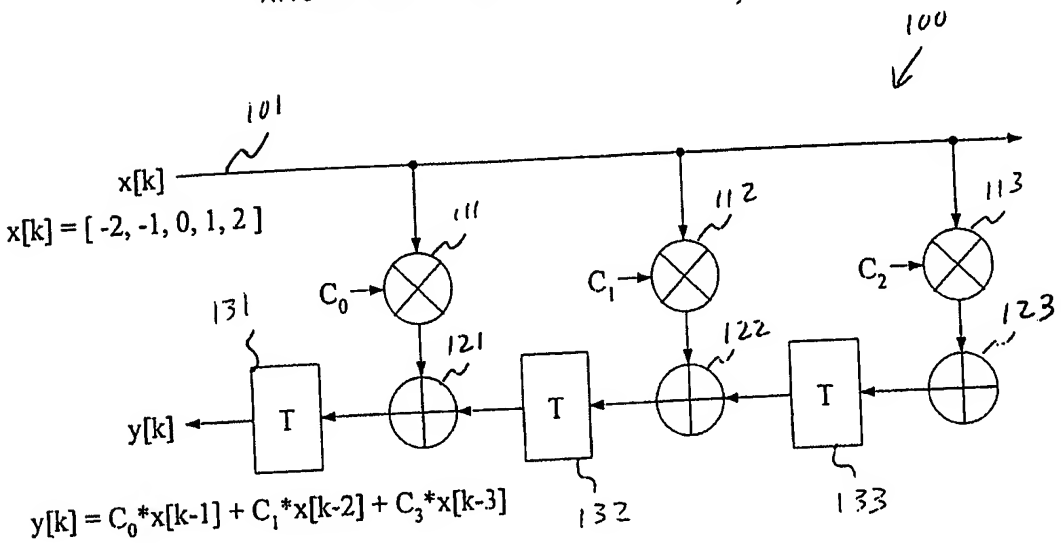

Figure 1 - Prior Art

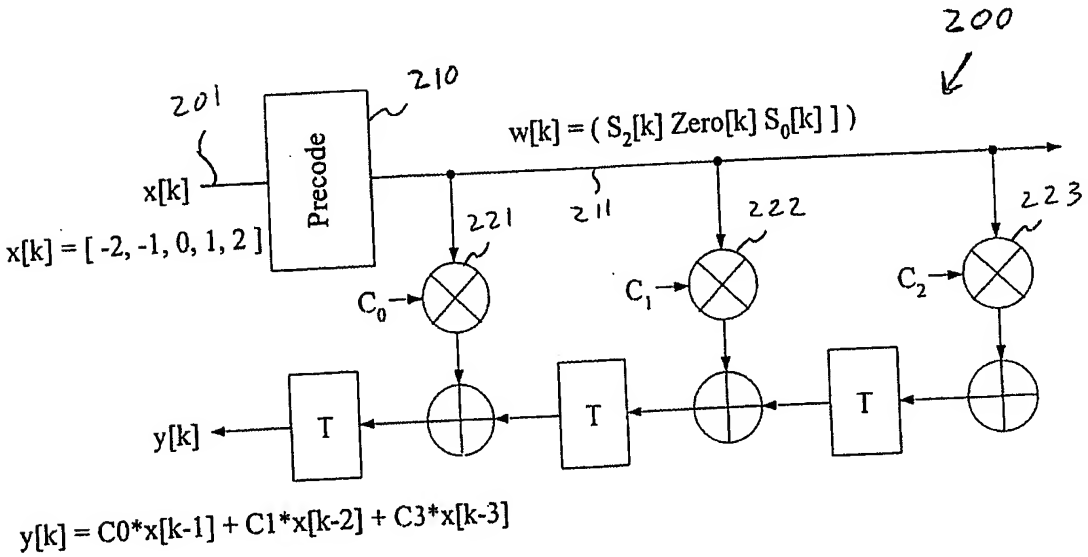

Figure 2 - Prior Art

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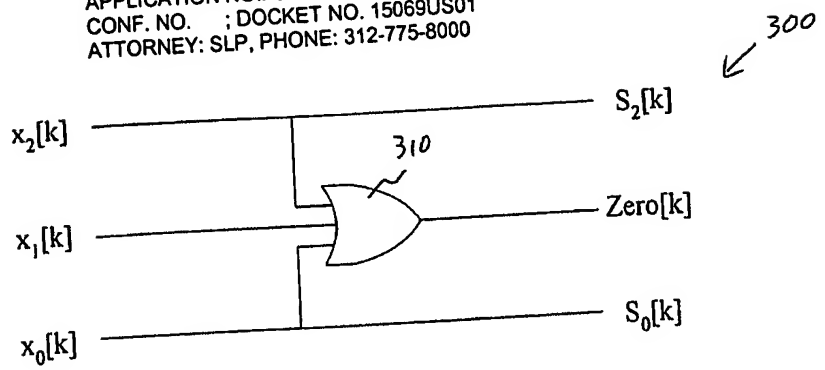

Figure 3 - Prior Art

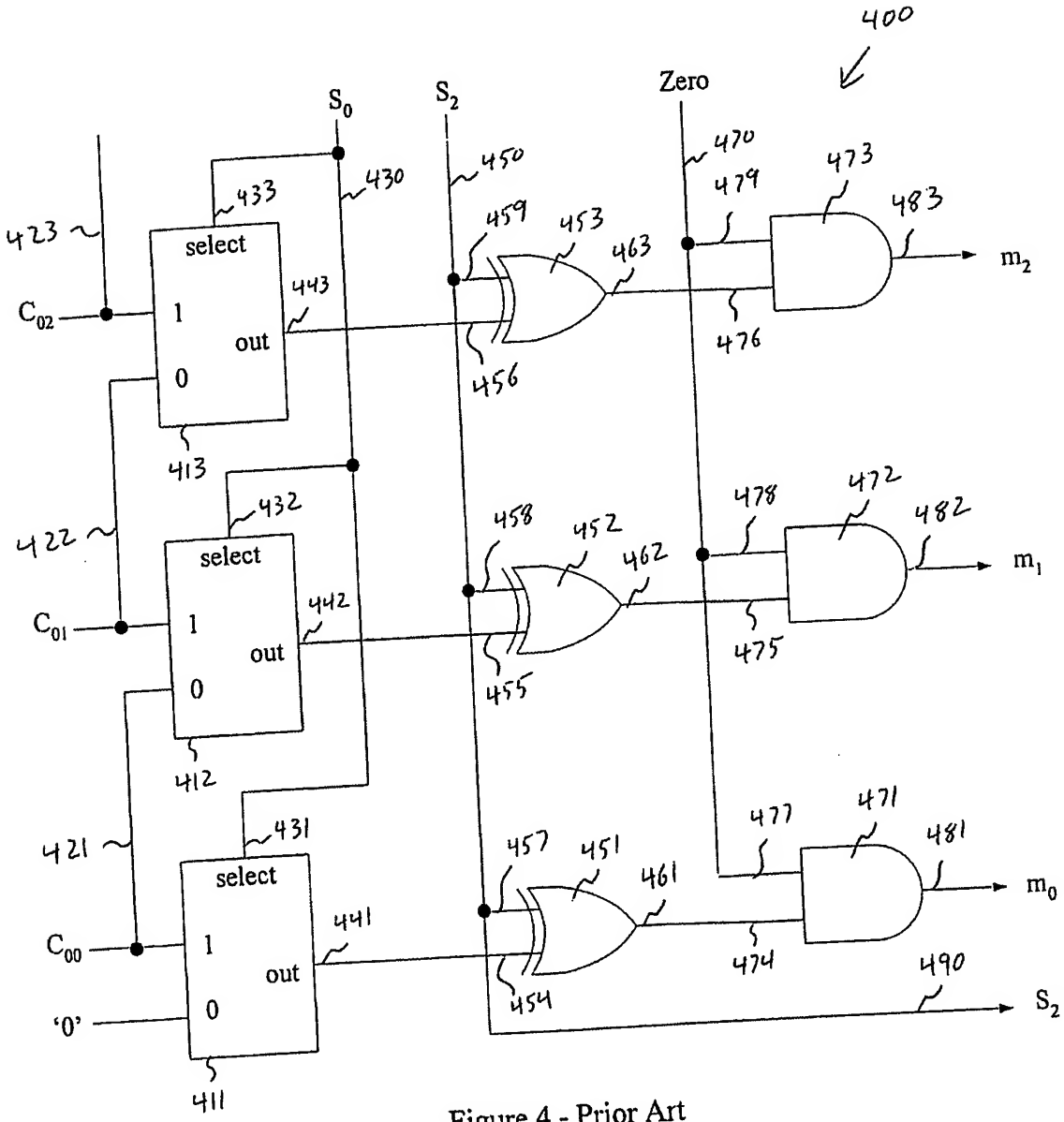

Figure 4 - Prior Art

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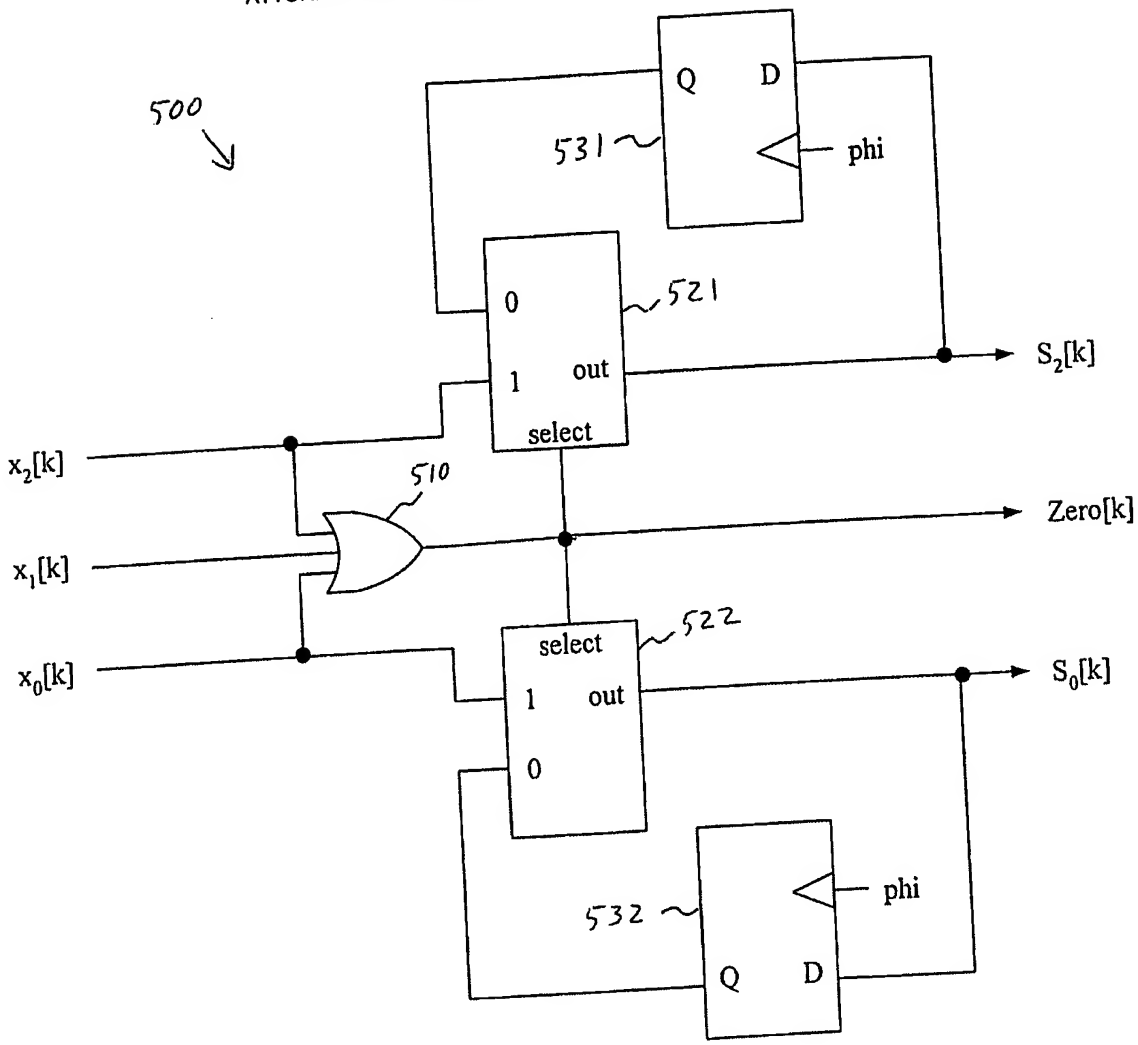
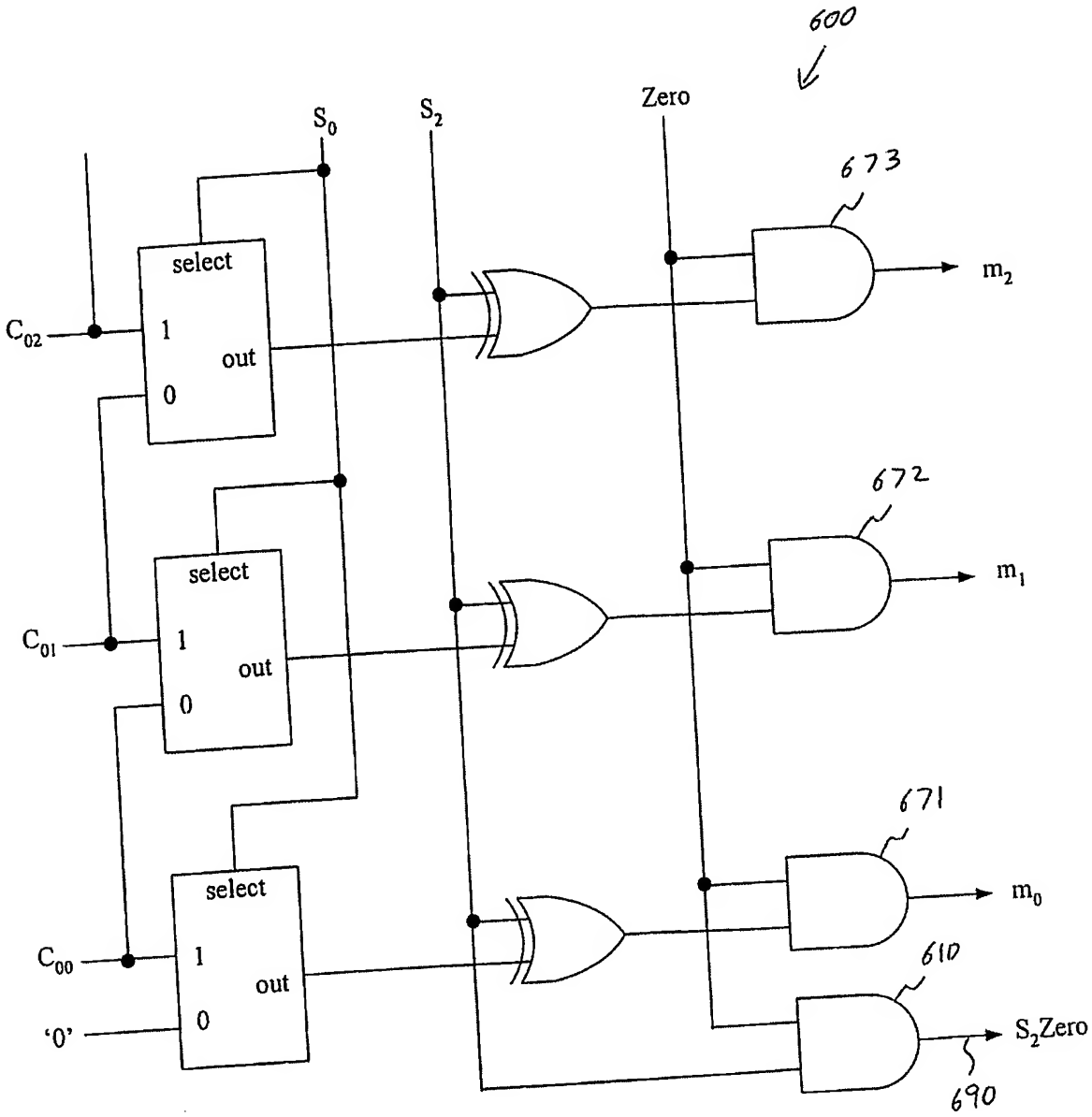


Figure 5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S_0
S_2
Zero
673
select
1
out
0
C_{02}
m_2
672
select
1
out
0
C_{01}
m_1
671
select
1
out
0
C_{00}
'0'
m_0
610
S_2Zero
690

Figure 6

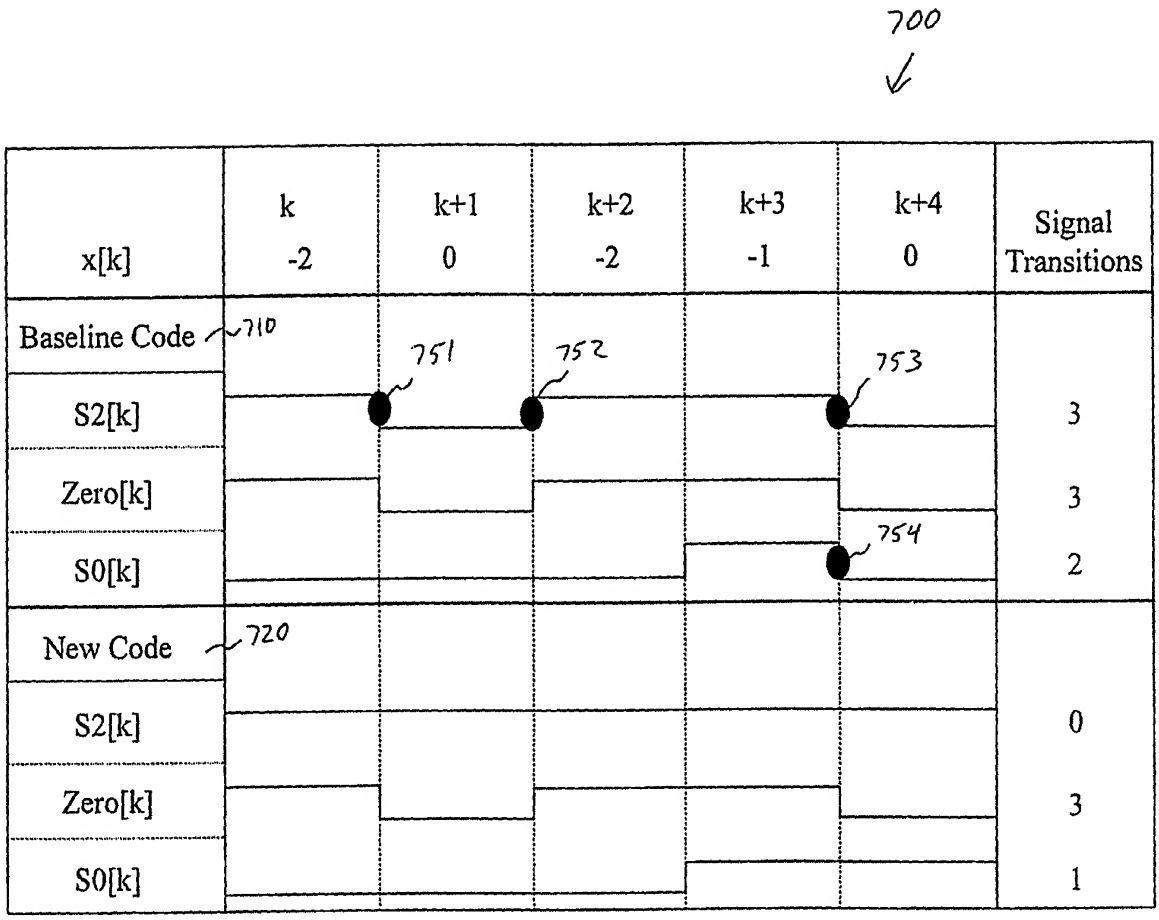
700
x[k]
k
-2
k+1
0
k+2
-2
k+3
-1
k+4
0
Signal Transitions
Baseline Code
710
751
752
753
754
S2[k]
Zero[k]
S0[k]
3
3
2
New Code
720
S2[k]
Zero[k]
S0[k]
0
3
1

Figure 7

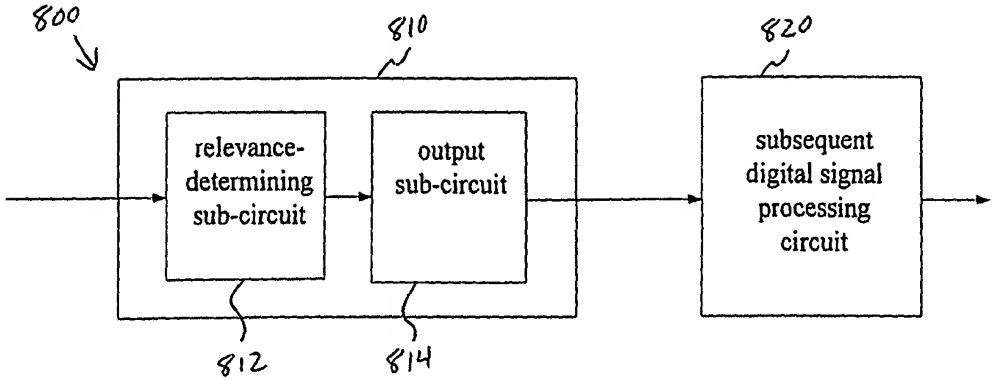

Figure 8

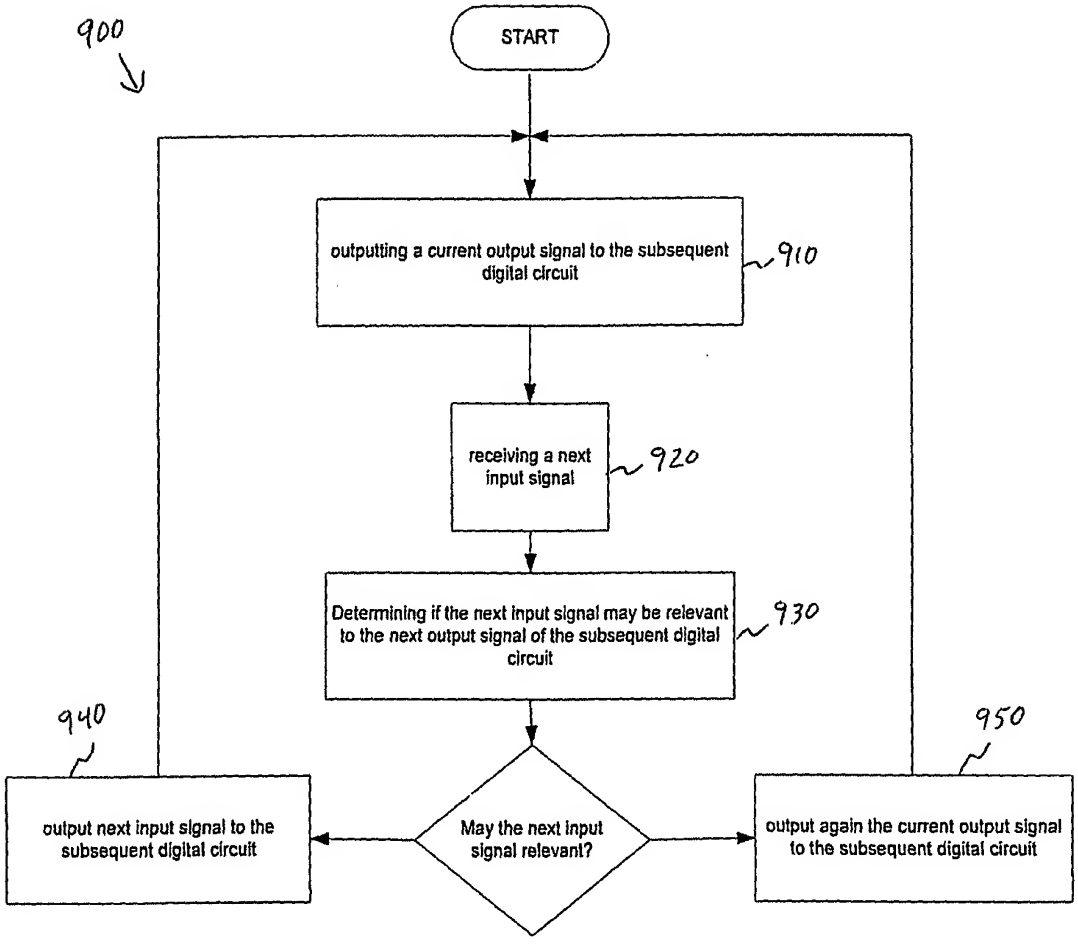

Figure 9